## INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2004/001435

. CLASSIF	CATION OF SUBJECT MATTER	
According to	C07K14/47,C12N15/12, C12N15/63, C International Patent Classification (IPC) or to both natio	12N15/10, A61K38/17, A61P31/04 nal classification and IPC
	SSEARCHED	
Minimum doo	cumentation searched (classification system followed by	classification symbols)
	C07K, C12N,	
	and other than minimum documentation to the e	xtent that such documents are included in the fields searched
Documentatio	on scarched other than human documents	
WPI PA	ta base consulted during the international search (name J,EPODOC,CNPAT,CNKI, CA, GenBank ds: Glycine-rich protein? (GRP?), glycine, p	
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages Relevant to claim No.
X	GenBank (www.ncbi.nlm.nih.gov), Accession	1
P,X	GenBank ( <u>www.ncbi.nlm.nih.gov</u> ), Accession	
A A	University of veterinary medicine, Vol.42, No.1 antibacterial insect immune peptides and proteins  Journal of Experimental Hematology, Vol.10, 1  "Screening of Differentially Expressed Genes in Cells after Long Term Culture", Pages 177-182	, 1998, Glinski Zd et al., "Novel ", Pages 33-41, especially abstract No.3, 2002, ZHANG Yong et al., the Mouse Hematopoietic Stromal
☐ Furth	er documents are listed in the continuation of Box C.	See patent family annex.
* Spe "A" docu consi "E" earlie	cial categories of cited documents:  ment defining the general state of the art which is not idered to be of particular relevance er application or patent but published on or after the	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention
"L" docu whice citati "O" docu othe	national filing date ment which may throw doubts on priority claim (S) or the is cited to establish the publication date of another ion or other special reason (as specified) ament referring to an oral disclosure, use, exhibition or ar means ament published prior to the international filing date later than the priority date claimed	cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family
Date of the	e actual completion of the international search	Dag of mailMART Defiger (Group) searth Boot 2 0 0 5
6 Xitucheng	nailing address of the ISA/CN g Rd., Jimen Bridge, Haidian District, 100088 Beijing, China	Authorized officer  ZHOU Xia  Telephone No. 86-10-62085078
Form PCT/	No. 86=10=62019451 ISA/210 (second sheet) (January 2004)	

## INTERNATIONAL SEARCH REPORT

International application No. PCT/CN2004/001435

ox No. II	of item 2 of first sheet)
	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
is internation	anal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
	ause they relate to subject matter not required to be searched by this Authority, namely:
hacai	ns Nos.: use they relate to parts of the international application that do not comply with the prescribed requirements to such an ut that no meaningful international search can be carried out, specifically:
. Clair	ms Nos.: cause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
ox No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
his Interna	tional Searching Authority found multiple inventions in this international application, as follows:
	ner information sheet PCT/ISA/210
	all required additional search fees were timely paid by the applicant, this international search report covers all searchable
cla 2. ⊠ As	aims.  all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
cla 2. ⊠ As of	ime
2. ⊠ As of	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.
2. As of 3. As o	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.  Is only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
2. As of 3. As o	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.  sonly some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:  To required additional search fees were timely paid by the applicant Consequently, this international search report is restrict the invention first mentioned in the claims; it is covered by claims Nos.:
2. As of 3. As o	all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment any additional fee.  sonly some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/001435

This International Searching Authority found multiple inventions in this international application, as follows:

Group 1: claims 1-15, relating to the glyrichins basing on the sequence of SEQ ID NO:1 from human and mouse;

Group 2: claims 1、3-6、8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:3 from Daniorerio;

Group 3: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:4 from Anopheles gambiae:

Group4: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:5 from Drosophila melanogas:

Group5: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:6 from Caenorhabditis elegans;

Group6: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:7 from Caenorhabditis elegan;

Group7: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:8 from Schizosaccharomyces pombe;

Group8: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:9 from Sacchromyces cerevisiae;

Group9: claims 1、3-6、8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:10 from Arabidopsis thaliana;

Group10: claims 1、3-6、8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:11 from Plasmodium falciparum 3D7;

Groupll: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:12 from Groupl2: claims 1, 3-6, 8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:13 from Magnaporthe grisea;

Group13: claims 1、3-6、8-15, relating to the glyrichins basing on the sequence of SEQ ID NO:14 from Neurospora crasse;

Since the inventions of Group1-Group 13 related to the different glycine-rich proteins(GRPs) having the different amino acid sequences from special biology sources, these inventions did not share any of the technical features identified, the international application does not comply with the requirements of unity of invention as defined in PCT rule 13.